

\*\*\*Spare part\*\*\* SIPLUS S7-300 SM 326F DI8 NAMUR for medial exposure with conformal coating based on 6ES7326-1RF00-0AB0



Figure similar

Supply voltage	
Rated value (DC)	24 V
Input current	
from load voltage L+ (without load), max.	160 mA
from backplane bus 5 V DC, max.	90 mA
Encoder supply	
Number of outputs	8
Type of output voltage	8.2 V DC
Power loss	
Power loss, typ.	4.5 W
Digital inputs	
Number of digital inputs	8; 8 (one-channel); 4 (two-channel)
Number of simultaneously controllable inputs	
all mounting positions	
— up to 40 °C, max.	8; vertical setup
— up to 60 °C, max.	8; horizontal set up

<b>Input voltage</b>	
• Type of input voltage	DC
• Rated value (DC)	in accordance with DIN 19234 or NAMUR
<b>Input current</b>	
• for signal "0", max. (permissible quiescent current)	0.35 to 1.2 mA
• for signal "1", typ.	2.1 to 7 mA
<b>Input delay (for rated value of input voltage)</b>	
for NAMUR inputs	
— at "0" to "1", max.	1.2 to 3 ms
— at "1" to "0", max.	1.2 to 3 ms
<b>Cable length</b>	
• shielded, max.	200 m
• unshielded, max.	100 m
<b>Interrupts/diagnostics/status information</b>	
<b>Alarms</b>	
• Diagnostic alarm	Yes
<b>Diagnostic messages</b>	
• Diagnostic information readable	Yes
<b>Diagnostics indication LED</b>	
• Fail-safe operation	Yes
• Group error SF (red)	Yes
<b>Ex(i) characteristics</b>	
Module for Ex(i) protection	Yes
<b>Maximum values of input circuits (per channel)</b>	
• Co (permissible external capacity), max.	3 µF
• Io (short-circuit current), max.	13.9 mA
• Lo (permissible external inductivity), max.	80 mH
• Po (power of load), max.	33.1 mW
• Uo (output no-load voltage), max.	10 V
• Um (fault voltage), max.	60 V DC/30 V AC
• Ta (permissible ambient temperature), max.	60 °C
<b>Potential separation</b>	
<b>Potential separation digital inputs</b>	
• between the channels	Yes
• between the channels and backplane bus	Yes
• between the channels and the power supply of the electronics	Yes
<b>Isolation</b>	
Isolation tested with	500 V DC
tested with	

- |                                                      |                   |
|------------------------------------------------------|-------------------|
| • Channels against backplane bus and load voltage L+ | 1500 V AC         |
| • Channels among one another                         | 1500 V AC         |
| • Load voltage L+ against backplane bus              | 500 V DC/350 V AC |

### Standards, approvals, certificates

CE mark	Yes
UL approval	Yes; File E239877
FM approval	Yes; CofC 3028431
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes

<b>Railway application</b>	
• EN 50155	No

<b>Highest safety class achievable in safety mode</b>	
• acc. to DIN VDE 0801	AK 4 (one channel), AK 5 und 6 (two channel)
• acc. to EN 954	Cat. 3 (single-channel), Cat. 4 (two-channel)
• SIL acc. to IEC 61508	SIL 2 (single-channel), SIL 3 (two-channel)

<b>Use in hazardous areas</b>	
• Test number KEMA	99 ATEX 2671 X

### Ambient conditions

<b>Ambient temperature during operation</b>	
• min.	0 °C; = Tmin
• max.	60 °C; = Tmax

<b>Altitude during operation relating to sea level</b>	
• Ambient air temperature-barometric pressure-altitude	Tmin ... Tmax at 1 080 hPa ... 795 hPa (-1 000 m ... +2 000 m)

<b>Relative humidity</b>	
• With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)

<b>Resistance</b>	
<b>Use in stationary industrial systems</b>	
— to biologically active substances according to EN 60721-3-3	Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request
— to chemically active substances according to EN 60721-3-3	Yes; Class 3C4 (RH < 75%) incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
— to mechanically active substances according to EN 60721-3-3	Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!

### Connection method

required front connector	40-pin
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### Dimensions

Width	80 mm
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Height	125 mm
Depth	120 mm
<b>Weights</b>	
Weight, approx.	482 g
<b>last modified:</b>	05/16/2018